ABSTRACT OF DISCLOSURE

The optical pickup actuator includes a bobbin in which an objective lens is mounted, and suspension wires each having one end fixed on a side of the bobbin and the other end fixed to a holder disposed on a portion of a base to allow the bobbin to move with respect to the base. A magnetic circuit is installed in the bobbin and the base including a pair of unipolar magnets positioned on the base to face two sides of the bobbin. A focusing coil is wound around the bobbin. A plurality of tilting coils are installed on an upper portion of the bobbin and/or on a lower portion of the bobbin interact with the unipolar magnets to generate an electromagnetic force to control a tilting movement when a central axis of the objective lens is disposed in an upward and a downward direction.